Index of Claims

Application/Control No.

10/623,692

Examiner

James Phan

Applicant(s)/Patent under Reexamination

TAKEUCHI ET AL.

Art Unit

2872

Rejected Allowed

(Through numeral) Cancelled

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Restricted

Non-Elected N F Interference

Appeal Α O Objected

| Cla      | Claim Date |              |              |          |          |                 |                 |          | 7            | Cla      | aim      | Date     |          |                 |          |          |          |          |          | CI       | aim      | Date     |            |             |          |                |               |                 |            |          |   |
|----------|------------|--------------|--------------|----------|----------|-----------------|-----------------|----------|--------------|----------|----------|----------|----------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|------------|-------------|----------|----------------|---------------|-----------------|------------|----------|---|
|          |            |              |              |          |          | $\neg$          |                 |          |              |          |          | Ī        |          |                 |          | Т        | 7        |          |          |          | Π        |          |            | $\Box$      |          | $\top$         |               |                 |            |          |   |
| <u>a</u> | Original   | Q<br>Q       |              |          |          |                 |                 |          |              |          | ā        | Original |          |                 |          |          |          |          |          | - 1      |          | <u> </u> | Original   |             |          |                |               |                 | - 1        |          |   |
| Final    | ġ,         | 1            | l            |          |          |                 |                 |          |              |          | Final    | ij       |          |                 |          |          |          |          |          |          | ł        | Final    | ğ          |             |          |                |               |                 |            |          |   |
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| ì        | 1          | =            |              |          |          | F               |                 |          |              |          |          | 51       |          |                 |          | $\neg$   | $\neg$   |          |          | $\neg$   |          | $\Box$   | 101        |             |          |                |               |                 |            |          |   |
|          | Þ          |              |              |          |          | П               |                 |          |              |          |          | 52       |          |                 |          | $\neg$   |          |          |          | $\neg$   | $\neg$   |          | 102        |             |          |                |               |                 |            | $\neg$   |   |
| 2        | 3          | I            |              |          |          |                 |                 |          |              | $\neg$   |          | 53       |          |                 |          | T        | $\neg$   | Ī        |          | $\neg$   | $\neg$   |          | 103        |             |          |                |               |                 |            |          |   |
| 2        | 4          |              |              |          |          |                 |                 |          |              | $\neg$   |          | 54       |          |                 |          |          |          |          |          | T        | $\neg$   |          | 104        |             |          |                |               |                 | $\neg$     | П        | _ |
| 7        | 5          |              |              |          |          |                 |                 |          |              |          |          | 55       |          |                 |          |          |          |          |          |          |          |          | 105        |             |          |                |               |                 |            |          |   |
| 317      | 6          |              |              |          |          |                 |                 |          |              |          |          | 56       |          |                 |          |          |          |          |          |          |          |          | 106        |             |          |                |               |                 |            |          |   |
| 17       | 7,         | []           |              |          |          |                 |                 |          |              |          |          | 57       |          |                 |          |          |          |          |          |          |          |          | 107        |             | П        |                |               |                 |            |          |   |
| 1 1      | 1          |              |              |          |          |                 |                 |          |              |          |          | 58       |          |                 |          |          |          |          |          |          |          |          | 108        |             |          |                |               |                 |            |          |   |
| 28       | 9          | 11           |              |          |          |                 |                 |          |              |          |          | 59       |          |                 |          |          |          |          |          |          |          |          | 109        |             |          |                |               |                 |            |          |   |
| 6        | 10         |              |              |          |          |                 |                 |          |              |          |          | 60       |          |                 |          |          |          |          |          |          |          |          | 110        |             |          | ,              |               |                 |            |          |   |
| 7        | 11         |              |              |          |          |                 |                 |          | $oxed{oxed}$ |          |          | 61       |          |                 |          |          |          |          |          | $\Box$   |          |          | 111        |             |          |                |               |                 |            |          |   |
| 8        | 12         | $\Box$       |              |          |          |                 |                 |          | $\Box$       |          |          | 62       |          |                 |          |          |          |          |          |          |          |          | 112        |             |          |                |               |                 |            |          |   |
| 9        | 13         |              |              |          |          |                 |                 |          | $\Box$       |          |          | 63       |          |                 | $\Box$   |          |          |          |          |          |          |          | 113        |             |          |                |               |                 |            | $\Box$   |   |
| 10       | 14         |              |              |          |          |                 |                 |          | $\Box$       |          |          | 64       | $\Box$   |                 |          |          |          |          |          | [        |          |          | 114        |             | <u> </u> |                |               |                 |            | $\perp$  |   |
| 11       | 15         | $oxed{oxed}$ |              |          |          |                 |                 |          |              |          |          | 65       |          |                 |          | [        |          |          |          |          |          | L        | 115        |             | <u> </u> |                |               |                 | $_{\perp}$ |          |   |
| 12       | 16         | $\sqcup$     |              |          |          |                 |                 |          |              | _        |          | 66       | Ш        |                 | $\dashv$ |          |          |          |          | _        |          | L        | 116        |             |          |                |               | $\square$       |            | $\bot$   |   |
| 13       | 17         |              | 匚            |          |          |                 |                 |          | $\perp$      |          | <u></u>  | 67       |          |                 | $\dashv$ | _        |          | _        | $\dashv$ | _        | _        |          | 117        |             |          |                |               |                 |            |          |   |
| 48       | 18         | Ц            | <u> </u>     |          |          | Ш               |                 |          |              |          |          | 68       | Ш        |                 | _        | _        | _        | _        | $\dashv$ | _        |          |          | 118        |             |          |                |               | Ц               | _          | _        |   |
| 19       | 19         | Ц            |              |          |          |                 |                 |          | _            | _        |          | 69       |          |                 | $\Box$   | _        | _        | _        | _        | _        | _        |          | 119        |             |          |                |               |                 |            | _        | _ |
| 20       | 20         |              |              |          |          |                 |                 |          | _            |          |          | 70       |          |                 | _        | _        |          | 1        | _        | _        |          | L        | 120        |             |          |                |               | Ц               |            |          |   |
| 29       | 21         | Ш            | <u> </u>     |          | Ш        |                 |                 |          |              | _        |          | 71       |          |                 | _        | _        | _        | _        | _        | _        |          |          | 121        |             | _        |                |               |                 |            |          |   |
| 30       | 22         | Ц            |              |          |          |                 |                 | ·        |              | _        | <u></u>  | 72       |          |                 |          |          | _        |          | _        | _        |          | L        | 122        |             |          |                |               | $\Box$          |            | $\perp$  |   |
| 31       | 23         | Ц            |              |          |          |                 |                 |          | $\perp$      | _        |          | 73       |          |                 | $\perp$  |          |          |          | $\dashv$ | _        |          | L        | 123        |             |          |                |               |                 |            |          |   |
| 14       | 24         | Ц            | _            |          |          |                 | _               |          | _            | _        | <u></u>  | 74       |          |                 | _        |          |          |          | _        | _        |          |          | 124        |             | ļ        |                |               |                 | _          | _        |   |
| 45       | 25         | $\Box$       | <u></u>      |          |          |                 | Ц               |          | _            | _        |          | 75       |          |                 | _        | _        | _        | 1        | _        | _        | _        | <u></u>  | 125        |             | ļ        |                | _             |                 |            | _        |   |
| 16<br>21 | 26         | Ц            | $oxed{oxed}$ |          |          |                 |                 | $\Box$   | _            | _        |          | 76       |          |                 | $\dashv$ | _        |          |          | _        | _        | _        | <u></u>  | 126        |             | _        |                | _             | $\Box$          | _          | _        |   |
| 21       | 27         | П            | L            |          |          |                 |                 |          | _            | _        | <u> </u> | 77       |          |                 |          |          |          | _        | _        | 4        | _        |          | 127        |             |          |                |               | Ц               | _          | $\dashv$ |   |
| 22       | 28         | Н            |              |          |          |                 | _               |          |              | _        |          | 78       |          |                 |          | _        |          |          | _        |          |          |          | 128        |             | <u> </u> |                |               | $\Box$          | $\dashv$   | _        | _ |
| 53       | 29         | 1            |              |          | <u> </u> | Ш               | _               |          | _            | 4        |          | 79       |          | $\dashv$        |          |          |          |          |          |          |          |          | 129        |             | ⊢        |                |               |                 |            | _        | _ |
| 24       | 30         | $\Box$       | <u> </u>     |          |          |                 | _               |          | _            | _        |          | 80       | _        |                 |          | _        |          | _        | -        |          |          |          | 130        |             |          | -              |               | $\dashv$        | _          | -        |   |
| 33       | 31         | H            |              |          |          |                 |                 | _        | _            |          |          | 81       | _        | $\dashv$        | $\dashv$ | $\dashv$ |          | -        | $\dashv$ | -        |          | <u> </u> | 131        |             | ├        | _              |               | $\vdash$        | $\dashv$   |          |   |
| 26       | 32         | Н            |              |          | Ш        | Ш               | Ш               | _        |              |          |          | 82       |          |                 | $\dashv$ | $\dashv$ | _        | _        | $\dashv$ | -        | _        |          | 132        |             | _        |                |               |                 | _          | -        |   |
| 55       | 33         | Н            | _            |          | $\vdash$ | $\sqcup$        | Н               | $\dashv$ |              | ┥.       |          | 83       | <u> </u> | $\vdash \vdash$ | $\dashv$ | $\dashv$ | _        |          | $\dashv$ |          |          | ļ        | 133        |             | 1        | H              |               | $\vdash$        | $\dashv$   | +        |   |
| 37       | 34         | $\dashv$     | -            | $\vdash$ | $\vdash$ | $\vdash \vdash$ | $\vdash$        | $\dashv$ | $\dashv$     | $\dashv$ |          | 84       | -        |                 | -        | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | 134        | +           | -        |                |               | $\vdash$        |            | +        | _ |
| 33       | 35         | $\vdash$     | $\vdash$     | Н        | Н        | Н               | $\vdash$        | $\vdash$ | -+           | $\dashv$ |          | 85       | -        |                 | $\dashv$ | $\dashv$ | -        |          | $\dashv$ | $\dashv$ | $\dashv$ |          | 135        |             | -        | $\vdash$       |               |                 |            | -+       | _ |
|          | 36         | $\dashv$     | -            | Н        | Н        | H               | $\vdash$        |          | -            |          |          | 86       | H        |                 | $\dashv$ | $\dashv$ |          |          | $\dashv$ | -        | $\dashv$ |          | 136        |             | <u> </u> | -              |               | $\vdash$        | $\dashv$   | $\dashv$ |   |
| 35       | 37         | $\sqcup$     | H            | $\vdash$ | Н        | Н               | $\vdash$        | $\dashv$ | $\dashv$     | $\dashv$ |          | 87       | -        |                 |          | -        | -        |          | $\dashv$ | $\dashv$ | $\dashv$ |          | 137        | +           | -        |                |               | $\vdash \vdash$ |            | +        |   |
| 36       | 38         | $\dashv$     | ⊢            | Н        | Н        | $\vdash$        | $\vdash$        | -        |              |          |          | 88<br>89 |          | $\vdash$        | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | 138<br>139 |             | ₩-       | -              |               | $\vdash \vdash$ |            | $\dashv$ | _ |
| 2/       | 39<br>40   |              | -            |          |          |                 |                 |          | -            | _        |          | 90       | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | -+       | $\dashv$ | <u> </u> | 140        |             | ┼—       | $\vdash$       | -             |                 |            | +        | _ |
| 38       | 40         | F            |              |          |          |                 |                 | $\vdash$ | +            |          |          |          | -        |                 |          |          |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | 141        |             | +-       | -              | _             | $\vdash$        | $\dashv$   | +        |   |
| -        | 41         |              | ├-           | Н        | $\vdash$ |                 | Н               |          | $\dashv$     | $\dashv$ |          | 91<br>92 |          | $\vdash$        | $\dashv$ |          | 141        |             | $\vdash$ | $\vdash$       | -             | $\vdash \vdash$ |            | $\dashv$ | _ |
| $\vdash$ | 42         | ├            | <u> </u>     | Н        | $\vdash$ | $\vdash$        | $\vdash \vdash$ |          |              | -        | -        | 93       | _        | $\dashv$        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | 142        | +           | $\vdash$ | $\vdash$       | <del></del>   | $\vdash \vdash$ |            | +        | _ |
| -        | 43         |              | $\vdash$     | Н        | $\vdash$ |                 | $\vdash$        | $\dashv$ | $\dashv$     | $\dashv$ | -        | 93       | $\vdash$ | $\dashv$        | $\dashv$ | $\dashv$ | -        |          |          | $\dashv$ | $\dashv$ | -        | 144        | <del></del> | ╁        | H              | _             |                 | $\dashv$   | $\dashv$ |   |
| $\vdash$ | 45         |              | -            | $\vdash$ | $\vdash$ | $\vdash$        | $\vdash$        |          | <del>-</del> | $\dashv$ | -        | 95       | -        | -               | -        | -        | -        | $\dashv$ |          | $\dashv$ | $\dashv$ | -        | 145        |             | ├-       | $\vdash$       | $\overline{}$ |                 |            | $\dashv$ | _ |
| -        | 46         | -            | H            | $\vdash$ | Н        | $\vdash$        | $\vdash$        |          | $\dashv$     | $\dashv$ | -        | 96       | $\vdash$ | $\dashv$        | -        |          | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | -        | 146        | -           | ┼-       | $\vdash$       | -             | $\vdash$        | -          | $\dashv$ | _ |
|          | 47         |              | 0 = 1        |          |          |                 | -               |          |              |          |          | 97       | <u> </u> | -               | $\dashv$ |          | -        | $\dashv$ |          | $\dashv$ | $\dashv$ | -        | 147        | _           | +        | <del>  -</del> | -             | -               | $\dashv$   | $\dashv$ | _ |
|          | 48         | $\vdash$     |              |          |          | $\vdash$        | $\vdash$        | $\dashv$ | +            | $\dashv$ | -        | 98       | -        | -+              | $\dashv$ | -        |          |          | $\dashv$ | $\dashv$ | $\dashv$ | -        | 148        | -           | +-       | -              |               |                 | -          | +        | — |
| $\vdash$ | 49         | ┢            | $\vdash$     | $\vdash$ | Н        | Н               | Н               | $\vdash$ | +            | $\dashv$ | $\vdash$ | 99       | -        | $\vdash$        | $\vdash$ | ᅱ        |          |          |          | $\dashv$ | $\dashv$ | <b></b>  | 149        |             | $\vdash$ | <del> </del>   | H             | $\vdash$        | $\dashv$   | $\dashv$ |   |
|          | 50         | -            | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$        | Н               | $\vdash$ | $\dashv$     | $\dashv$ | -        | 100      |          | $\vdash$        | -        |          |          |          | $\dashv$ | +        | $\dashv$ | -        | 150        |             | $\vdash$ | -              | -             | H               | $\dashv$   | +        |   |
|          |            | ١            |              |          |          | لـــا           | $\Box$          |          |              |          |          | ייי      |          |                 |          |          |          |          |          |          |          |          | , , , , ,  |             | 1        | 1              |               | ı l             |            |          |   |